

PLAINVILLE-

Document No. 18

105976

JAMESTOWN

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C. A. Berg

January 28, 1960
Thursday

PLAINVILLE WATER COMPANY PROBLEM

I am attaching a copy of a report submitted to Mr. Rogers and reviewed with Mr. Mead on Wednesday, January 27th. This report outlines a program as recommended and the items noted in parentheses are the modifications suggested and recommended by Mr. Rogers.

An appropriation has been issued to cover the first item, as you know. Upon receipt of your approved copy, I assume that a purchase order will be issued.

An appropriation has been prepared for Item #2 covering the drilling of one well. As you know, two are recommended but only one will be drilled when the approved appropriation has been received. The second well depends upon success of the first well.

Under Item #3 one pump will be purchased if water flow and conditions warrant. A second only if the first well is successful.

Item #4, of course, is dependent upon the success of Items 2 and 3.

Item #5 covering an oil filter or separator to separate oil from steam hammer condensate requires immediate action and by giving Mr. Holsberg a copy of this memo I am requesting that he and your Plainville personnel obtain bids and recommendations on oil filtration units from at least three sources. When final selection has been made, an appropriation should be made and submitted for approval. THIS ITEM IS URGENT.

Item #6 covers equipment for the boiler blowdown recovery and I am again requesting Mr. Holsberg to immediately proceed with the design of the settling tank and through your Plainville Purchasing personnel obtain at least three bids prior to final selection and preparation of appropriation for approval.

Item #7 concerning the treatment plant is contingent upon all preceding items and will not be acted upon until final approval of designs by us and recommendations from Bets, as well as state agencies involved.

777
H. W. SINDLER

/ DPH

Enclosures

cc BER, BM, JSA, CMH, ASI

P. S. -- C. A. Berg

All other people receiving copies of this memo received a copy of the transmittal letter covering appropriation PC-60-3 for one 8" test well. For your own use I am attaching a copy of this letter.

AR200053

EWZ

EX-101

JAMESTOWN

B. E. Rogers

PLAINVILLE WATER COMPANY PROBLEM

JAMESTOWN

January 25, 1960
Monday

Dict. 1-22-60

During my visit to Plainville this week I thoroughly reviewed this problem with Messrs. Appleyard, Bolaberg and Berlind. After discussing all of the aspects to the problem we finally evolved the following proposed procedure:

1. Obtain services of Betz Chemical Laboratories to survey and recommend needs in the development of a disposal plant, estimated cost \$ 1,800.00
 2. Drill two 8" curtain walls as described in appropriation PO-60-3 provided results of first test well are satisfactory, estimated cost (1 WELL - 3000) 6,000.00
 3. Purchase two 150 GPM deep well pumps, estimated cost (1 PUMP - 2500) 5,000.00
 4. Install pipe line and miscellaneous equipment in order to utilize the above water 1,000.00
 5. Purchase one oil filter or separator to separate oil from steam hammer condensate (AT ONCE) (INVESTIGATE THE POSSIBILITY OF USING AIR COMPRESSOR (1600+CF) 3,500.00 THIS WEEK 2/5/60
 6. Install one concrete settling tank for boiler blowdown, including pump and related equipment (AT ONCE) PROCEED. 2,000.00
 7. Install treatment plant consisting of multiple settling tanks and treatment tanks, suitable mixing equipment, approximate maximum cost (CONCRETE - 1000 - 1800) 30,000.00
- Grand Total \$ 49,300.00

When the Plainville Water Company installed four 2" curtain wells on their own property the concentration of detergent was reduced in their water supply. When they ceased pumping operation, of course no further effect was noticed as the well was not being used. We presently draw water from the Quinnipiac River, run it through a sand filtration system and pump it into the plant as a source of industrial water. Maintenance of this filtering system is messy, difficult, and costly.

If the test well described by Mr. Berlind in his request for appropriation dated January 19th is successful, we will then have a source of industrial water that could be used without filtration. The oil filter for the steam hammer condensate is recommended as an installation to reduce the size of the disposal treatment plant. Measurements indicate that we put out 30,000 gallons per day. This material is contaminated by oil from the steam hammers which when separated could be recovered and used, or disposed of according to its value. The water could then be drained into the Quinnipiac River with no harmful results and would not have to go through the disposal plant.

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The boiler blowdown puts out an estimated 12,000 gallons per day. This material could be allowed to settle and solids from the water treatment could be scraped and dumped into the old lagoon area while the water left could be drained into the Mississippi River or reused depending upon its clearliness. These two steps would reduce the total liquor volume by 40,000 per 24 hour day and would permit installation of a considerably smaller tank for the disposal plant. The estimated cost of the treatment plant would be \$30,000.00.

I have not covered all details in this report as it would be too lengthy, but have given you a general outline of the plan. I believe it is extremely important that we give Plainville permission to proceed with the Metz Chemical survey immediately.

H. W. ZINTLER

/ PFR

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STATE OF CONNECTICUT
WATER RESOURCES COMMISSION
STATE OFFICE BUILDING • HARTFORD 15, CONNECTICUT

January 5, 1960

Mr. J. S. Appleyard, Plant Manager
Marlin-Rockwell Company
Plainville, Connecticut

Dear Mr. Appleyard:

At the meeting of the Water Resources Commission held yesterday, it reviewed the problem which the Marlin-Rockwell Company faces in respect to the disposal of manufacturing wastes.

In view of the conditions affecting the facilities of the Plainville Water Company, the Commission was glad to cooperate in investigating methods in handling these wastes which would have the minimum effect upon ground water conditions. This involved a certain type of treatment of the wastes in the lagoons to seal the bottoms of them and also in siphoning off the clarified effluent into the river in order to reduce the volume in the lagoon. The Commission was glad to cooperate in repetition of this procedure on three occasions because the conditions were in the nature of an emergency. The Commission is always under the assumption that immediate steps would be taken to provide an adequate treatment of these wastes while these emergencies were being carried on.

The Commission now feels that it cannot approve of the intermittent discharge of these wastes to the river because of the pollution burden placed upon the Quinnipiac River which the Commission is earnestly endeavoring to clean up. The Commission therefore asks that the officials take prompt action in the preparation of plans for an adequate treatment plant for submission to the Commission and the construction at an early date.

Very truly yours,

A handwritten signature in cursive script that reads "William S. Wise".

William S. Wise
Director

WSW:tv

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